Ting Xiong

List of Publications by Year
in descending order

71 papers	8,476 citations	61857 43 h-index	91712 69 g-index
71 all docs	71 docs citations	71 times ranked	9006 citing authors

#	Article	IF	Citations
1	In Situ Construction of g-C₃N₄/g-C₃N₄ Metal-Free Heterojunction for Enhanced Visible-Light Photocatalysis. ACS Applied Materials & Interfaces, 2013, 5, 11392-11401.	4.0	1,102
2	Bridging the g-C₃N₄ Interlayers for Enhanced Photocatalysis. ACS Catalysis, 2016, 6, 2462-2472.	5.5	869
3	Defect Engineering of Oxygenâ€Deficient Manganese Oxide to Achieve Highâ€Performing Aqueous Zinc Ion Battery. Advanced Energy Materials, 2019, 9, 1803815.	10.2	504
4	In-situ synthesis of direct solid-state dual Z-scheme WO3/g-C3N4/Bi2O3 photocatalyst for the degradation of refractory pollutant. Applied Catalysis B: Environmental, 2018, 227, 376-385.	10.8	495
5	Visible-light-driven removal of tetracycline antibiotics and reclamation of hydrogen energy from natural water matrices and wastewater by polymeric carbon nitride foam. Water Research, 2018, 144, 215-225.	5.3	481
6	A semimetal bismuth element as a direct plasmonic photocatalyst. Chemical Communications, 2014, 50, 10386-10389.	2.2	282
7	Effect of high intensity ultrasound on structure and foaming properties of pea protein isolate. Food Research International, 2018, 109, 260-267.	2.9	249
8	Defect Engineering in Manganeseâ€Based Oxides for Aqueous Rechargeable Zincâ€Ion Batteries: A Review. Advanced Energy Materials, 2020, 10, 2001769.	10.2	249
9	Structure Architecting for Saltâ€Rejecting Solar Interfacial Desalination to Achieve Highâ€Performance Evaporation With In Situ Energy Generation. Advanced Science, 2020, 7, 1903478.	5.6	224
10	Harmonizing Energy and Power Density toward 2.7 V Asymmetric Aqueous Supercapacitor. Advanced Energy Materials, 2018, 8, 1702630.	10.2	201
11	Facets and defects cooperatively promote visible light plasmonic photocatalysis with Bi nanowires@BiOCl nanosheets. Journal of Catalysis, 2016, 344, 401-410.	3.1	172
12	Manipulating unidirectional fluid transportation to drive sustainable solar water extraction and brine-drenching induced energy generation. Energy and Environmental Science, 2020, 13, 4891-4902.	15.6	162
13	Controlling interfacial contact and exposed facets for enhancing photocatalysis via 2Dâ€“2D heterostructures. Chemical Communications, 2015, 51, 8249-8252.	2.2	145
14	Growth of BiOBr nanosheets on C3N4 nanosheets to construct two-dimensional nanojunctions with enhanced photoreactivity for NO removal. Journal of Colloid and Interface Science, 2014, 418, 317-323.	5.0	136
15	Activation of amorphous bismuth oxide via plasmonic Bi metal for efficient visible-light photocatalysis. Journal of Catalysis, 2017, 352, 102-112.	3.1	135
16	Three dimensional Z-scheme (BiO) 2 CO 3 /MoS 2 with enhanced visible light photocatalytic NO removal. Applied Catalysis B: Environmental, 2016, 199, 87-95.	10.8	133
17	Guaranteeing Complete Salt Rejection by Channeling Saline Water through Fluidic Photothermal Structure toward Synergistic Zero Energy Clean Water Production and In Situ Energy Generation. ACS Energy Letters, 2020, 5, 3397-3404.	8.8	129
18	KCl-mediated dual electronic channels in layered g-C₃N₄ for enhanced visible light photocatalytic NO removal. Nanoscale, 2018, 10, 8066-8074.	2.8	126

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19	Highly efficient visible-light-induced photoactivity of Z-scheme Ag₂CO₃/Ag/WO₃ photocatalysts for organic pollutant degradation. Environmental Science: Nano, 2017, 4, 2175-2185.	2.2	121
20	Stateâ€ofâ€theâ€Art Advances and Challenges of Ironâ€Based Metal Organic Frameworks from Attractive Features, Synthesis to Multifunctional Applications. Small, 2019, 15, e1803088.	5.2	111
21	In situ synthesis of a C-doped (BiO)₂CO₃ hierarchical self-assembly effectively promoting visible light photocatalysis. Journal of Materials Chemistry A, 2015, 3, 6118-6127.	5.2	103
22	Improving g-C3N4 photocatalysis for NOx removal by Ag nanoparticles decoration. Applied Surface Science, 2015, 358, 356-362.	3.1	101
23	Bi metal sphere/graphene oxide nanohybrids with enhanced direct plasmonic photocatalysis. Applied Catalysis B: Environmental, 2017, 214, 148-157.	10.8	98
24	Energy Harvesting from Atmospheric Humidity by a Hydrogel-Integrated Ferroelectric-Semiconductor System. Joule, 2020, 4, 176-188.	11.7	94
25	A facile band alignment of polymeric carbon nitride isotype heterojunctions for enhanced photocatalytic tetracycline degradation. Environmental Science: Nano, 2018, 5, 2604-2617.	2.2	93
26	Hexagonal MoO₃ as a zinc intercalation anode towards zinc metal-free zinc-ion batteries. Journal of Materials Chemistry A, 2020, 8, 9006-9012.	5.2	91
27	Modified stannous sulfide nanoparticles with metal-organic framework: Toward efficient and enhanced photocatalytic reduction of chromium (VI) under visible light. Journal of Colloid and Interface Science, 2018, 530, 481-492.	5.0	89
28	Unraveling MoS₂ and Transition Metal Dichalcogenides as Functional Zincâ€ion Battery Cathode: A Perspective. Small Methods, 2021, 5, e2000815.	4.6	76
29	Implication of graphene oxide in Cd-contaminated soil: A case study of bacterial communities. Journal of Environmental Management, 2018, 205, 99-106.	3.8	75
30	New insights into how RGO influences the photocatalytic performance of BiOIO3/RGO nanocomposites under visible and UV irradiation. Journal of Colloid and Interface Science, 2015, 447, 16-24.	5.0	71
31	Mn₃O₄/reduced graphene oxide based supercapacitor with ultra-long cycling performance. Journal of Materials Chemistry A, 2017, 5, 12762-12768.	5.2	70
32	Indole-based conjugated macromolecules as a redox-mediated electrolyte for an ultrahigh power supercapacitor. Energy and Environmental Science, 2017, 10, 2441-2449.	15.6	68
33	Binder-free V₂O₅/CNT paper electrode for high rate performance zinc ion battery. Nanoscale, 2019, 11, 19723-19728.	2.8	68
34	Synergistic integration of thermocatalysis and photocatalysis on black defective (BiO)₂CO₃ microspheres. Journal of Materials Chemistry A, 2015, 3, 18466-18474.	5.2	67
35	Effects of Morphology and Crystallinity on the Photocatalytic Activity of (BiO)₂CO₃ Nano/microstructures. Industrial & Engineering Chemistry Research, 2014, 53, 15002-15011.	1.8	66
36	Interlayer-I-doped BiOIO₃ nanoplates with an optimized electronic structure for efficient visible light photocatalysis. Chemical Communications, 2016, 52, 8243-8246.	2.2	66

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37	Single Precursor Mediated-Synthesis of Bi Semimetal Deposited N-Doped (BiO)₂CO₃ Superstructures for Highly Promoted Photocatalysis. ACS Sustainable Chemistry and Engineering, 2016, 4, 2969-2979.	3.2	64
38	Bi2S3 for Aqueous Zn Ion Battery with Enhanced Cycle Stability. Nano-Micro Letters, 2020, 12, 8.	14.4	58
39	Ternary Ag/AgCl/BiOIO3 composites for enhanced visible-light-driven photocatalysis. Chinese Journal of Catalysis, 2015, 36, 2155-2163.	6.9	54
40	Exploring the photocatalysis mechanism on insulators. Applied Catalysis B: Environmental, 2017, 219, 450-458.	10.8	48
41	Enhanced extrinsic absorption promotes the visible light photocatalytic activity of wide band-gap (BiO)₂CO₃ hierarchical structure. RSC Advances, 2014, 4, 56307-56312.	1.7	47
42	Dendrite-Free Anodes Enabled by a Composite of a ZnAl Alloy with a Copper Mesh for High-Performing Aqueous Zinc-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28129-28139.	4.0	47
43	Growth mechanism and photocatalytic activity of self-organized N-doped (BiO)₂CO₃ hierarchical nanosheet microspheres from bismuth citrate and urea. Dalton Transactions, 2014, 43, 6631-6642.	1.6	45
44	Harnessing oxygen vacancy in V2O5 as high performing aqueous zinc-ion battery cathode. Journal of Alloys and Compounds, 2021, 870, 159403.	2.8	45
45	Near-infrared-driven Cr(<scp>vi</scp>) reduction in aqueous solution based on a MoS₂/Sb₂S₃ photocatalyst. Catalysis Science and Technology, 2018, 8, 1545-1554.	2.1	41
46	Synthesis of BiOBrâ€“graphene and BiOBrâ€“graphene oxide nanocomposites with enhanced visible light photocatalytic performance. Ceramics International, 2014, 40, 9003-9008.	2.3	40
47	Insight on the plasmonic Z-scheme mechanism underlying the highly efficient photocatalytic activity of silver molybdate/silver vanadate composite in rhodamine B degradation. Journal of Colloid and Interface Science, 2018, 530, 493-504.	5.0	40
48	Synergistically Configuring Intrinsic Activity and Fin-Tube-Like Architecture of Mn-Doped MoS₂-Based Catalyst for Improved Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2019, 2, 493-502.	2.5	40
49	A real filed phytoremediation of multi-metals contaminated soils by selected hybrid sweet sorghum with high biomass and high accumulation ability. Chemosphere, 2019, 237, 124536.	4.2	39
50	Metal Organic framework derived carbon for ultrahigh power and long cyclic life aqueous Zn ion capacitor. Nano Materials Science, 2020, 2, 159-163.	3.9	37
51	Pulmonary Targeting Crosslinked Cyclodextrin Metalâ€“Organic Frameworks for Lung Cancer Therapy. Advanced Functional Materials, 2021, 31, 2004550.	7.8	35
52	Immobilization of heavy metals in two contaminated soils using a modified magnesium silicate stabilizer. Environmental Science and Pollution Research, 2018, 25, 32562-32571.	2.7	31
53	Integrating the (311) facet of MnO2 and the fuctional groups of poly(m-phenylenediamine) in coreâ€“shell MnO2@poly(m-phenylenediamine) adsorbent to remove Pb ions from water. Journal of Hazardous Materials, 2020, 389, 122154.	6.5	31
54	Biochar Facilitated Hydroxyapatite/Calcium Silicate Hydrate for Remediation of Heavy Metals Contaminated Soils. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	30

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55	Recent Progress on Fullerene-Based Materials: Synthesis, Properties, Modifications, and Photocatalytic Applications. Materials, 2020, 13, 2924.	1.3	29
56	Mechanistic insights into heavy metals affinity in magnetic MnO2@Fe3O4/poly(m-phenylenediamine) coreâ"shell adsorbent. Ecotoxicology and Environmental Safety, 2020, 192, 110326.	2.9	29
57	Optimizing Electrolyte Physiochemical Properties toward 2.8 V Aqueous Supercapacitor. ACS Applied Energy Materials, 2018, 1, 3070-3076.	2.5	28
58	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. Applied Catalysis B: Environmental, 2020, 262, 118307.	10.8	28
59	oâ€Benzenediolâ€Functionalized Carbon Nanosheets as Low Selfâ€Discharge Aqueous Supercapacitors. ChemSusChem, 2018, 11, 3307-3314.	3.6	27
60	Preaddition of Cations to Electrolytes for Aqueous 2.2 V High Voltage Hybrid Supercapacitor with Superlong Cycling Life and Its Energy Storage Mechanism. ACS Applied Materials & Interfaces, 2020, 12, 17659-17668.	4.0	27
61	Interlayer Engineering of MnO₂ with High Charge Density Bi³⁺ for High Rate and Stable Aqueous Supercapacitor. Batteries and Supercaps, 2020, 3, 519-526.	2.4	27
62	Ammonia induced formation of N-doped (BiO)2CO3 hierarchical microspheres: the effect of hydrothermal temperature on the morphology and photocatalytic activity. CrystEngComm, 2013, 15, 10522.	1.3	26
63	The rapid synthesis of photocatalytic (BiO)₂CO₃ single-crystal nanosheets via an eco-friendly approach. CrystEngComm, 2014, 16, 3592-3604.	1.3	25
64	Direct ink writing of programmable functional siliconeâ€based composites for 4D printing applications. , 2022, 1, 507-516.		25
65	New insight into modification of extracellular polymeric substances extracted from waste activated sludge by homogeneous Fe(II)/persulfate process. Chemosphere, 2020, 247, 125804.	4.2	24
66	Engineering sulphur vacancy in VS₂ as high performing zinc-ion batteries with high cyclic stability. New Journal of Chemistry, 2020, 44, 15951-15957.	1.4	23
67	Oxygenâ€Deficient Birnessiteâ€MnO₂ for Highâ€Performing Rechargeable Aqueous Zincâ€Ion Batteries. ChemNanoMat, 2020, 6, 1357-1364.	1.5	22
68	Efficient incorporation and protection of lansoprazole in cyclodextrin metal-organic frameworks. International Journal of Pharmaceutics, 2020, 585, 119442.	2.6	15
69	Stretchable <scp>fiberâ€shaped</scp> aqueous aluminum ion batteries. EcoMat, 2022, 4, .	6.8	14
70	K⁺-Intercalated MnO₂ Electrode for High Performance Aqueous Supercapacitor. ACS Applied Energy Materials, 0, , .	2.5	10
71	Bismuth ion battery â€“ A new member in trivalent battery technology. Energy Storage Materials, 2020, 25, 100-104.	9.5	3